

fuels as transportation fuels by consumers, and the production of alternative fuel powered motor vehicles;

- (2) Consumer acceptability;
- (3) Economic practicability;
- (4) Technology;
- (5) Environmental impact;
- (6) Safety;
- (7) Driveability; and
- (8) Performance.

(h) If the Administrator grants the petition, the petitioner is notified in writing, specifying the reduced minimum driving range, and specifying the model years for which the reduced driving range applies. The Administrator also publishes a notice of the grant of the petition in the FEDERAL REGISTER and the reasons for the grant.

(i) If the Administrator denies the petition, the petitioner is notified in writing. The Administrator also publishes a notice of the denial of the petition in the FEDERAL REGISTER and the reasons for the denial.

[63 FR 66069, Dec. 1, 1998]

### § 538.8 Gallon Equivalents for Gaseous Fuels.

The gallon equivalent of gaseous fuels, for purposes of calculations made under 49 U.S.C. 32905, are listed in Table I:

TABLE I—GALLON EQUIVALENT MEASUREMENTS FOR GASEOUS FUELS PER 100 STANDARD CUBIC FEET

Fuel	Gallon equivalent measurement
Compressed Natural Gas .....	0.823
Liquefied Natural Gas .....	0.823
Liquefied Petroleum Gas (Grade HD-5)* .....	0.726
Hydrogen .....	0.259
Hythane (Hy5) .....	0.741

\* Per gallon unit of measure.

### § 538.9 Dual fuel vehicle incentive.

The application of 49 U.S.C. 32905(b) and (d) to qualifying dual fuel vehicles is extended to the 2005, 2006, 2007, and 2008 model years.

[69 FR 7703, Feb. 19, 2004]

## PART 541—FEDERAL MOTOR VEHICLE THEFT PREVENTION STANDARD

Sec.

541.1 Scope.

541.2 Purpose.

541.3 Application.

541.4 Definitions.

541.5 Requirements for passenger motor vehicles.

541.6 Requirements for replacement parts.

APPENDIX A TO PART 541—LINES SUBJECT TO THE REQUIREMENTS OF THIS STANDARD

APPENDIX A-I TO PART 541—HIGH-THEFT LINES WITH ANTITHEFT DEVICES WHICH ARE EXEMPTED FROM THE PARTS-MARKING REQUIREMENTS OF THIS STANDARD PURSUANT TO 49 CFR PART 543

APPENDIX A-II TO PART 541—HIGH-THEFT LINES WITH ANTITHEFT DEVICES WHICH ARE EXEMPTED IN-PART FROM THE PARTS-MARKING REQUIREMENTS OF THIS STANDARD PURSUANT TO 49 CFR PART 543

APPENDIX B TO PART 541—PASSENGER MOTOR VEHICLE LINES (EXCEPT LIGHT-DUTY TRUCKS) WITH THEFT RATES BELOW THE 1990/91 MEDIAN THEFT RATE, SUBJECT TO THE REQUIREMENTS OF THIS STANDARD

APPENDIX C TO PART 541—CRITERIA FOR SELECTING LINES LIKELY TO HAVE HIGH THEFT RATES

AUTHORITY: 49 U.S.C. 33101, 33102, 33103, 33105; delegation of authority at 49 CFR 1.50.

SOURCE: 50 FR 43190, Oct. 24, 1985, unless otherwise noted.

### § 541.1 Scope.

This standard specifies performance requirements for identifying numbers or symbols to be placed on major parts of certain passenger motor vehicles.

### § 541.2 Purpose.

The purpose of this standard is to reduce the incidence of motor vehicle thefts by facilitating the tracing and recovery of parts from stolen vehicles.

### § 541.3 Application.

This standard applies to the following:

(a) Passenger motor vehicle parts identified in § 541.5(a) that are present:

- (1) In the passenger motor vehicle lines listed in appendix A of this part;
- (2) Beginning with model year 1997, in passenger motor vehicle lines which NHTSA has finally determined, pursuant to 49 CFR part 542, to be high theft

### § 541.3, Nt.

based on the 1990/91 median theft rate; and

(3) Beginning with model year 1997, in passenger motor vehicle lines listed in appendix B of this part.

(b) Replacement parts for passenger motor vehicle lines described in § 541.3(a) (1) and (2), if the part is identified in § 541.5(a).

[59 FR 64168, Dec. 13, 1994]

EFFECTIVE DATE NOTES: 1. At 69 FR 17967, Apr. 6, 2004, § 541.3 was revised, effective Sept. 1, 2006. At 70 FR 28843, May 19, 2005 the amendment to 69 FR 17967, Apr. 6, 2004 was withdrawn, effective Sept. 1, 2006. For the convenience of the user, the revised text is set forth as follows:

#### § 541.3 Application.

This standard applies to the following:

(a) Passenger motor vehicle parts identified in § 541.5(a) that are present:

(1) In passenger cars and multipurpose passenger vehicles with a gross vehicle weight rating of 6,000 pounds or less; and

(2) In light duty trucks that NHTSA has finally determined pursuant to 49 CFR part 542, to be high theft based on the 1990/91 median theft rate and listed in appendix A of this part.

(3) In light duty trucks that NHTSA has finally determined pursuant to 49 CFR part 542, to have a majority of major parts interchangeable with those of a passenger motor vehicle identified in paragraphs (a)(1) and (2) of this section and listed in appendix B of this part.

(b) Replacement parts for passenger motor vehicles described in paragraphs (a)(1) and (2) of this section, if the part is identified in § 541.5(a).

(c) This standard does not apply to passenger motor vehicle parts that are present in passenger cars, multipurpose passenger vehicles, and light duty trucks manufactured by a motor vehicle manufacturer that manufactures fewer than 5,000 vehicles for sale in the United States each year.

2. At 69 FR 34612, June 22, 2004, § 541.3(a) as it appeared at 69 FR 17967, Apr. 6, 2004 was corrected, effective Sept. 1, 2006. At 70 FR 28843, May 19, 2005 the amendment to 69 FR 34612, June 22, 2004 was withdrawn, effective Sept. 1, 2006. For the convenience of the user, the corrected text is set forth as follows:

#### § 541.3 Application.

\* \* \* \* \*

(a) Passenger motor vehicle parts identified in § 541.5(a) that are present:

(1)(i) In passenger cars; and

### 49 CFR Ch. V (10–1–05 Edition)

(ii) multipurpose passenger vehicles with a gross vehicle weight rating of 6,000 pounds or less; and

(2) In light duty trucks with a gross vehicle weight rating of 6,000 pounds or less, that NHTSA has finally determined pursuant to 49 CFR part 542, to be high theft based on the 1990/91 median theft rate and listed in appendix A of this part; and

(3) In light duty trucks with a gross vehicle weight rating of 6,000 pounds or less, that NHTSA has finally determined pursuant to 49 CFR part 542, to have a majority of major parts interchangeable with those of a passenger motor vehicle identified in § 541.3(a)(1) and (2) and listed in appendix B of this part.

\* \* \* \* \*

3. At 70 FR 28851, May 19, 2005, § 541.3 was revised, effective Sept. 1, 2006. For the convenience of the user, the revised text is set forth as follows:

#### § 541.3 Application.

(a) Except as provided in paragraph (b) and (c) of this section, this standard applies to the following:

(1) Passenger motor vehicle parts identified in § 541.5(a) that are present in:

(i) Passenger cars; and

(ii) Multipurpose passenger vehicles with a gross vehicle weight rating of 6,000 pounds or less; and

(iii) Light-duty trucks with a gross vehicle weight rating of 6,000 pounds or less, that NHTSA has determined to be high theft in accordance with 49 CFR 542.1; and

(iv) Light duty trucks with a gross vehicle weight rating of 6,000 pounds or less, that NHTSA has determined to be subject to the requirements of this section in accordance with 49 CFR 542.2.

(2) Replacement passenger motor vehicle parts identified in § 541.5(a) for vehicles listed in paragraphs (1)(i) to (iv) of this section.

(b) *Exclusions.* This standard does not apply to the following:

(1) Passenger motor vehicle parts identified in § 541.5(a) that are present in vehicles manufactured by a motor vehicle manufacturer that manufactures fewer than 5,000 vehicles for sale in the United States each year.

(2) Passenger motor vehicle parts identified in § 541.5(a) that are present in a line with an annual production of not more than 3,500 vehicles.

(3) Passenger motor vehicle parts identified in § 541.5(a) that are present in light-duty trucks with a gross vehicle weight rating of 6,000 pounds or less, that NHTSA has determined to be subject to the requirements of this section in accordance with 49 CFR 542.2, if the vehicle line with which these light-duty trucks share majority of major

interchangeable parts is exempt from parts marking requirements pursuant to part 543.

(c) For vehicles listed in subparagraphs (1)(i) to (iv) of this section that are (1) not subject to the requirements of this standard until September 1, 2006, and (2) manufactured between September 1, 2006 and August 31, 2007; a manufacturer needs to meet the requirements of this part only for lines representing at least 50% of a manufacturer's total production of these vehicles.

**§ 541.4 Definitions.**

(a) *Statutory terms.* All terms defined in 49 U.S.C. chapter 331 are used in accordance with their statutory meanings unless otherwise defined in paragraph (b) of this section.

(b) *Other definitions.* (1) *Interior surface* means, with respect to a vehicle part, a surface that is not directly exposed to sun and precipitation.

(2) *Light-duty truck (LDT)* means a motor vehicle, with motive power, except a trailer, designed primarily for the transportation of property or special purpose equipment, that is rated at 6,000 pounds gross vehicle weight or less.

(3) *Line* means a name which a manufacturer applies to a group of motor vehicles of the same make which have the same body or chassis, or otherwise are similar in construction or design. A "line" may, for example, include 2-door, 4-door, station wagon, and hatchback vehicles of the same make.

(4) *1990/91 median theft rate* means 3.5826 thefts per thousand vehicles produced.

(5) *Multipurpose passenger vehicle (MPV)* means a passenger motor vehicle which is constructed either on a truck chassis or with special features for occasional off-road operation and which is rated at 6,000 pounds gross vehicle weight or less.

(6) *Passenger car* is used as defined in § 571.3 of this chapter.

(7) *VIN* means the vehicle identification number required by part 565 of this chapter.

[59 FR 64168, Dec. 13, 1994, as amended at 61 FR 29033, June 7, 1996]

**§ 541.5 Requirements for passenger motor vehicles.**

(a) Each passenger motor vehicle subject to this standard must have an identifying number affixed or inscribed

on each of the parts specified in paragraphs (a)(1) through (a)(18) inclusive, if the part is present on the passenger motor vehicle. In the case of passenger motor vehicles not originally manufactured to comply with applicable U.S. vehicle safety and bumper standards, each such motor vehicle subject to this standard must have an identifying number inscribed in a manner which conforms to paragraph (d)(2) of this section, on each of the parts specified in paragraphs (a)(1) through (a)(18), inclusive, if the part is present on the motor vehicle.

- (1) Engine.
- (2) Transmission.
- (3) Right front fender.
- (4) Left front fender.
- (5) Hood.
- (6) Right front door.
- (7) Left front door.
- (8) Right rear door.
- (9) Left rear door.
- (10) Sliding or cargo door(s).
- (11) Front bumper.
- (12) Rear bumper.
- (13) Right rear quarter panel (passenger cars).
- (14) Left rear quarter panel (passenger cars).
- (15) Right-side assembly (MPVs).
- (16) Left-side assembly (MPVs).
- (17) Pickup box, and/or cargo box (LDTs).
- (18) Rear door(s) (both doors in case of double doors), decklid, tailgate, or hatchback (whichever is present).

(b)(1) Except as provided in paragraphs (b)(2) and (b)(3) of this section, the number required to be inscribed or affixed by paragraph (a) shall be the VIN of the passenger motor vehicle.

(2) In place of the VIN, manufacturers who were marking engines and/or transmissions with a VIN derivative consisting of at least the last eight characters of the VIN on October 24, 1984, may continue to mark engines and/or transmissions with such VIN derivative.

(3) In the case of passenger motor vehicles not originally manufactured to comply with U.S. vehicle safety and bumper standards, the number required to be inscribed by paragraph (a) of this section shall be the original vehicle identification number assigned to the